FIG. 1

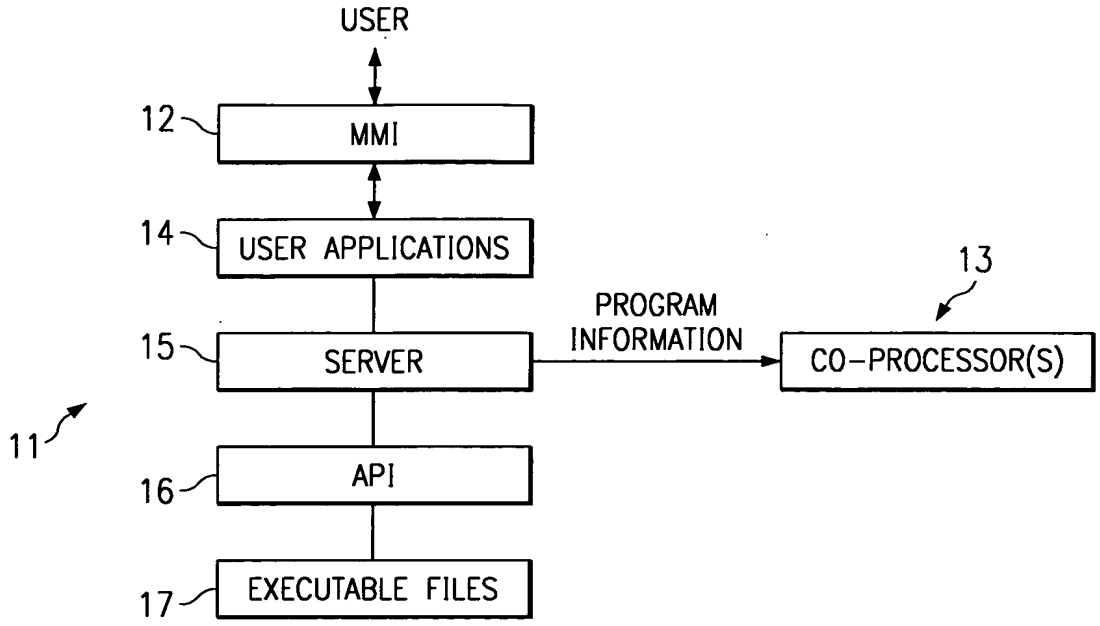
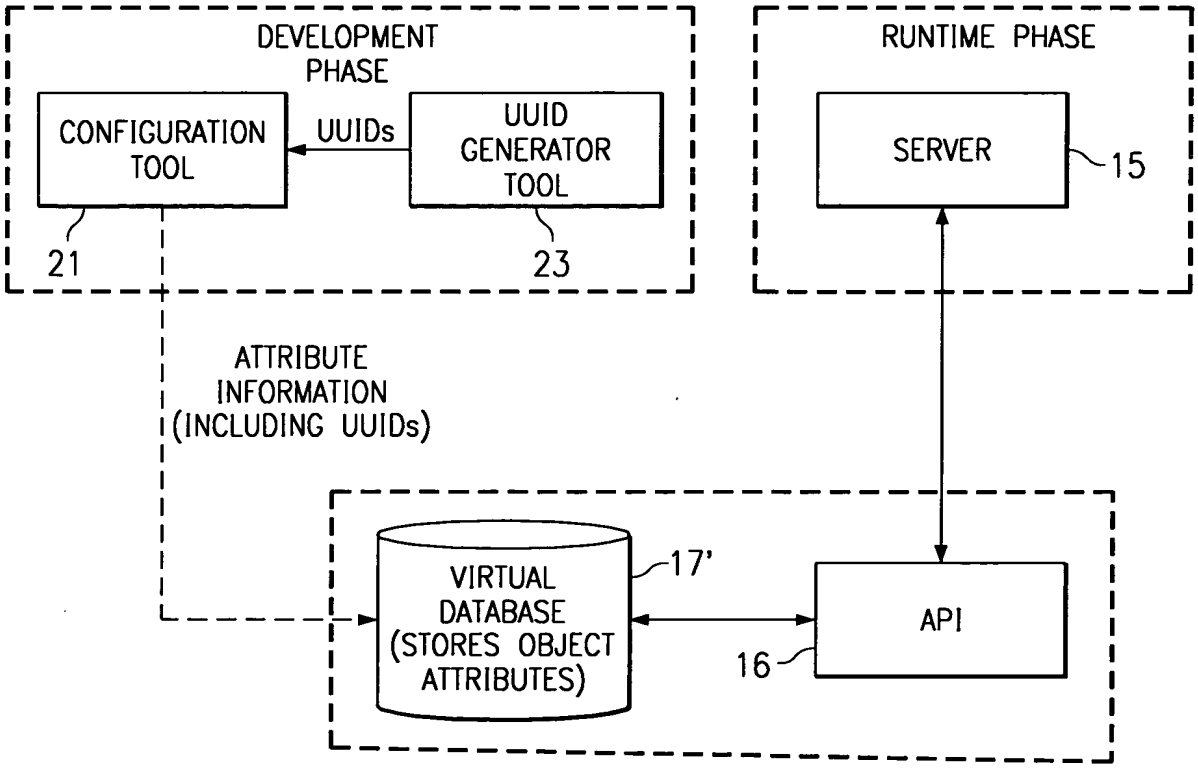

USER
12
MMI
14
USER APPLICATIONS
13
PROGRAM INFORMATION
15
SERVER
CO-PROCESSOR(S)
11
16
API
17
EXECUTABLE FILES

FIG. 2


DEVELOPMENT PHASE
CONFIGURATION TOOL
UUIDs
UUID GENERATOR TOOL
21
23
RUNTIME PHASE
SERVER
15
ATTRIBUTE INFORMATION (INCLUDING UUIDs)
VIRTUAL DATABASE (STORES OBJECT ATTRIBUTES)
17'
API
16

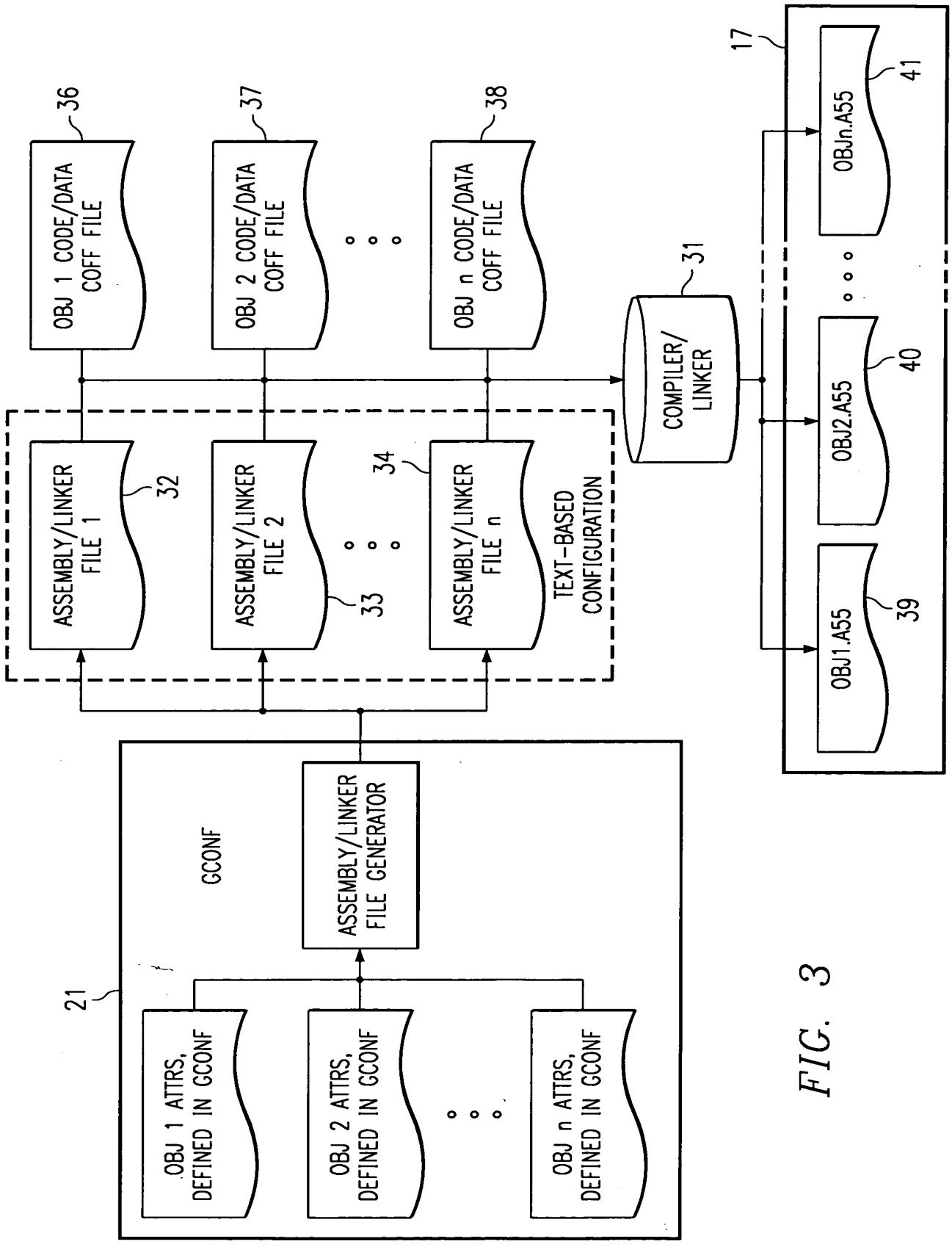

21
GCONF
ASSEMBLY/LINKER FILE GENERATOR
OBJ 1 ATTRS, DEFINED IN GCONF
OBJ 2 ATTRS, DEFINED IN GCONF
OBJ n ATTRS, DEFINED IN GCONF
TEXT-BASED CONFIGURATION
ASSEMBLY/LINKER FILE 1
32
ASSEMBLY/LINKER FILE 2
33
34
ASSEMBLY/LINKER FILE n
OBJ 1 CODE/DATA COFF FILE
36
OBJ 2 CODE/DATA COFF FILE
37
OBJ n CODE/DATA COFF FILE
38
COMPILER/ LINKER
31
17
OBJ1.A55
39
OBJ2.A55
40
OBJn.A55
41

FIG. 3

FIG. 4

NODE ATTRIBUTE FIELD	FIELD VALUE
THE NAME OF A SPECIFIC NODE ATTRIBUTE	THE VALUE OF THE NODE ATTRIBUTE
EXAMPLE:	
NAME	"codec"
UUID	"1CE5D975-4E11-11d4-A755-00C04F0C04F8"
PRIORITY LEVEL	15
NUMBER OF CHANNELS	4
BUFFERS PER CHANNEL	2
NODE SIZE	2048
CREATE FUNCTION	codecCreate
EXECUTE FUNCTION	codecExecute
DELETE FUNCTION	codecDelete
.....	

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FIG. 5

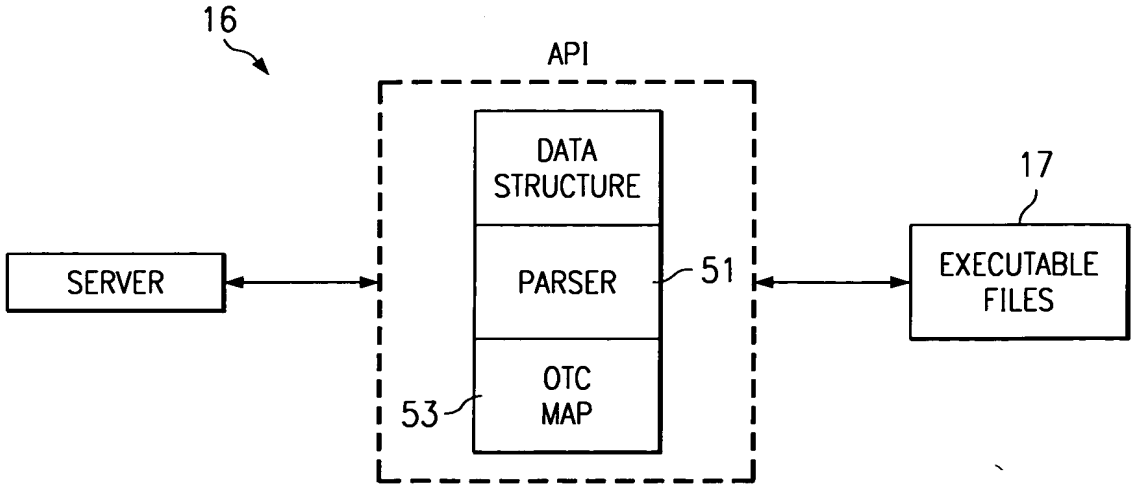


FIG. 6

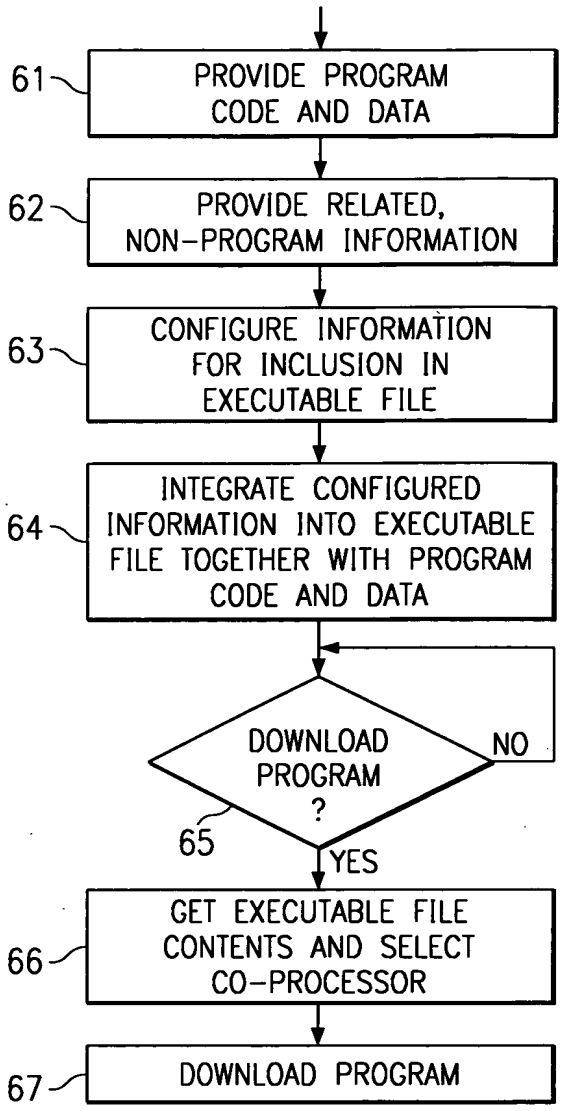


FIG. 7

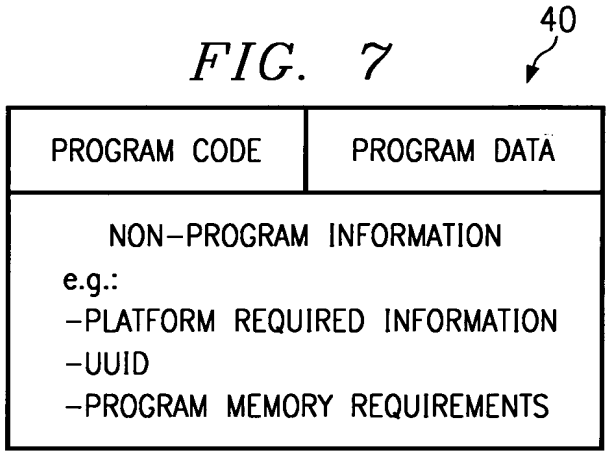


FIG. 8

